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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/929,890	08/15/2001	Jong-Cheol Bae	678-671 (P9671)	9315

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EXAMINER

HASHEM, LISA

ART UNIT	PAPER NUMBER
2614	

MAIL DATE	DELIVERY MODE
06/05/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No. 09/929,890	Applicant(s) BAE ET AL.	
Examiner Lisa Hashem	Art Unit 2614	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 12 March 2007.
- 2a) This action is **FINAL**.
- 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1,2,5 and 6 is/are pending in the application.
4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1,2,5 and 6 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) All b) Some * c) None of:
1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. _____.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 3-12-07.
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Response to Arguments

1. Applicant's arguments, see Amendment, filed 3-12-2007, with respect to the rejection(s) of claim(s) 1, 2, 5, and 6 have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made. Please see all rejection(s) below.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

3. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bunshi in view of U.S. Pat. No. 5,907,604 by Hsu.

Regarding claim 1, Bunshi discloses a method of alerting a user of an occasion date (e.g. seasons and time) when a call is received in a phone (e.g. Drawing 1; section 0011) having an incoming call ring sound alteration function, (see Abstract; section 0003) comprising: accepting a call on a phone (e.g. incoming call; call in), the call intended for a user (section 0024, 0028-0031); determining whether today is a registered occasion date (section 0025); setting a first predetermined ring sound as an incoming call ring sound on the phone if today is not the registered occasion date; and

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changing the first predetermined ring to a second predetermined ring sound is played, if today is the registered occasion date to remind the user of the registered occasion date (see Abstract; section 0013-0015, 0017, 0025-0026).

Bunshi discloses setting ring sounds depending on a registered occasion date. However, Bunshi does not disclose displaying images to remind a user.

Hsu discloses a method of alerting a user (e.g. called party) when a call (e.g. incoming call) is received in a phone (Fig. 1; col. 2, line 66 – col. 3, line 30) having an idle mode screen displaying function (Fig. 3; col. 4, lines 29-51), comprising:

accepting a call (e.g. incoming call) on a phone, the call intended for a user;

determining whether an image is associated with a Caller ID of the incoming call;

displaying a first predetermined image for an idle mode screen (Fig. 3, 256) on the phone for viewing by the user, if no image is registered with a Caller ID (col. 6, lines 51-53); and

changing the first predetermined image to a second predetermined image if an image is registered with the associated Called ID to remind the user of the caller (col. 3, line 65 - col. 4, line 51).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the method of Bunshi to disclose displaying images to remind a user as taught by Hsu. One of ordinary skill in the art would have been lead to make such a modification to modify an incoming call ring sound alteration function with an idle mode screen function in order to display a predetermined image based on a registered occasion date that is triggered by the reception of an incoming call, wherein an image replaces an incoming call ring sound. Instead of having a ring remind the user of the date, the phone can be modified to include

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displaying an image stored in the phone to remind the user of the date. The modification is beneficial for user who will be disturbed by the incoming call ring sound and have a display accessible on the phone.

Regarding claim 2, the method of claim 1 mentioned above, wherein Bunshi in view of Hsu further discloses:

designating a date selected by the user as the registered occasion date (Bunshi: section 0013-0015; 0024, 0028-0031); and

registering an image selected by the user among idle mode screen images stored in the phone with respect to the registered occasion date (Bunshi: section 0013-0015; 0024, 0028-0031; Hsu: col. 6, lines 30-53).

4. Claims 5 and 6 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bunshi in view of Hsu and in further view of U.S. Pat. No. 6,490,343 by Smith, Jr. et al, hereinafter Smith.

Regarding claim 5, Bunshi discloses a method of alerting a user of an occasion date (e.g. seasons and time) when a call is received in a phone (e.g. Drawing 1; section 0011) having an incoming call ring sound alteration function, (see Abstract; section 0003) comprising: accepting a call on a phone (e.g. incoming call; call in), the call intended for a user (section 0024, 0028-0031); checking whether today is a registered occasion date (section 0025); playing a first predetermined ring sound as an incoming call ring sound on the phone if today is not the registered occasion date; and

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playing the first predetermined ring to a second predetermined ring sound is played, if today is the registered occasion date to remind the user of the registered occasion date (see Abstract; section 0013-0015, 0017, 0025-0026).

Bunshi discloses setting ring sounds depending on a registered occasion date. However, Bunshi does not disclose displaying images to remind a user.

Hsu discloses a method of alerting a user (e.g. called party) when a call (e.g. incoming call) is received in a phone (Fig. 1; col. 2, line 66 – col. 3, line 30) having an idle mode screen displaying function (Fig. 3; col. 4, lines 29-51), comprising:

- accepting a call (e.g. incoming call) on a phone, the call intended for a user;
- determining whether an image is associated with a Caller ID of the incoming call;
- displaying a first predetermined image for an idle mode screen (Fig. 3, 256) on the phone for viewing by the user, if no image is registered with a Caller ID (col. 6, lines 51-53); and
- displaying the first predetermined image to a second predetermined image if an image is registered with the associated Called ID to remind the user of the caller (col. 3, line 65 - col. 4, line 51).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the method of Bunshi to disclose displaying images to remind a user as taught by Hsu. One of ordinary skill in the art would have been lead to make such a modification to include an idle mode screen function in order to display a predetermined image based on a registered occasion date that is triggered by the reception of an incoming call, wherein an image is displayed. The phone can be modified to include displaying an image

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stored in the phone to remind the user of the date. The modification is beneficial for user who to view important information associated with a date on the phone.

However, Bunshi in view of Hsu do not disclose alerting a user with both a ring sound and image.

Smith discloses a method of alerting a user when a call is received in a phone (Fig. 1b) having an idle mode screen displaying function and an incoming call ring sound alteration function (col. 8, lines 52-56), comprising:

accepting a call on a phone (e.g. incoming call), the call intended for a user;

displaying a first predetermined image for an idle mode screen (Fig. 1b, 30) on the phone for viewing by the user and playing a first predetermined ring sound as an incoming call ring sound to communicate with the user (col. 4, line 59 – col. 5, line 6; col. 8, lines 16-62; col. 11, lines 1-67).

It would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the method of Bunshi in view of Hsu to disclose alerting a user with both a ring sound and image as taught by Smith. One of ordinary skill in the art would have been lead to make such a modification to include an idle mode screen function and incoming call ring sound alteration function in order to display a predetermined image and play a predetermined ring sound based on a registered occasion date that is triggered by the reception of an incoming call, wherein an image is displayed and an auditory message is played to remind the user of the date. The modification is beneficial for user who to view important information associated with a date on the phone and to hear important information in the phone, wherein there is doubt as to the capabilities of the user to either hear information or see information.

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Regarding claim 6, the method of claim 5 mentioned above, wherein Bunshi in view of Hsu and in further view of Smith further discloses:

designating a date selected by the user as the registered occasion date (Bunshi: section 0013-0015; 0024, 0028-0031); and

registering an image and a ring sound selected by the user among idle mode screen images and ring sounds stored in the phone with respect to the registered occasion date (Bunshi: section 0013-0015; 0024, 0028-0031; Hsu: col. 6, lines 30-53).

Conclusion

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892 Form.

6. Any response to this action should be mailed to:

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Or faxed to:

(571) 273-8300 (for formal communications intended for entry)

Or call:

(571) 272-2600 (for customer service assistance)

7. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Lisa Hashem whose telephone number is (571) 272-7542. The examiner can normally be reached on M-F 8:30-5:30.


If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Fan Tsang can be reached on (571) 272-7547. Any inquiry of a general nature or

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relating to the status of this application or proceeding should be directed to the Group receptionist whose telephone number is (571) 272-2600.

8. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

lh
May 24, 2007


FAN TSANG
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2600